

KOMATSU®

PC27MR-3

NET HORSEPOWER

19.2 kW 25.7 HP

OPERATING WEIGHT

2930 kg 6,460 lb

**PC
27MR**

COMPACT HYDRAULIC
EXCAVATOR



Photo may include optional equipment.

PC27MR-3 COMPACT HYDRAULIC EXCAVATOR

SPECIFICATIONS



ENGINE

Model	Komatsu 3D82AE-6
Type	Direct injection
Piston displacement	1.33 ltr 81 in³
Horsepower:	
Net (ISO 9249/SAE J1349)	19.2 kW 25.7 HP @ 2600 rpm



ELECTRICAL SYSTEM

Operating voltage	12 V
Battery	58 Ah
Alternator	40 A
Starter	2.3 kW



HYDRAULIC SYSTEM

Type	HydrauMind
Main pump:	
Type	Variable displacement x 1 Gear x 1
Maximum oil flow	70.6 x 1 + 21.4 ltr/min 18.7 x 1 + 5.7 gal/min
Hydraulic motor:	
Travel	Variable displacement x 2
Swing	Fixed displacement x 1
Maximum pressure setting	250 kg/cm ² 3,560 psi
Auxiliary flow	50 ltr/min 13.2 gal/min



PERFORMANCE

Travel speed	
High	4.8 km/hr 3.0 mph
Low	2.6 km/hr 1.6 mph
Swing speed	9.2 rpm
Ground pressure	0.29 kg/cm ² 4.1 psi
Max. drawbar pull	3200 kg 7,050 lb
Gradeability	30°
Bucket digging force (ISO)	2230 kg 4,920 lb
Arm crowd force (ISO)	1200 kg 2,646 lb



DRIVES AND BRAKES

Drive method	Hydrostatic
Type of travel brake	Hydraulic lock
Type of travel shoe	Rubber



UNDERCARRIAGE

Adjustment of the track tension	Grease gun
Number of carrier rollers (each side)	1
Number of track rollers (each side)	4



REFILL CAPACITIES

Fuel tank	44 ltr 11.6 U.S. gal
Hydraulic tank	14 ltr 3.7 U.S. gal
Engine	5 ltr 1.3 U.S. gal
Coolant	3.3 ltr 0.9 U.S. gal



OPERATING WEIGHT (APPROXIMATE)

Operating weight (with ROPS canopy and rubber shoe)	2930 kg 6,460 lb
--	-------------------------



BLADE

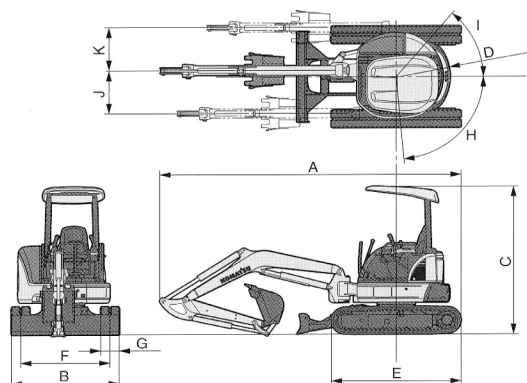
Width x height	1550 x 325 mm 5'1" x 1'1"
----------------	-------------------------------------

COMPACT HYDRAULIC EXCAVATOR

PC27MR-3



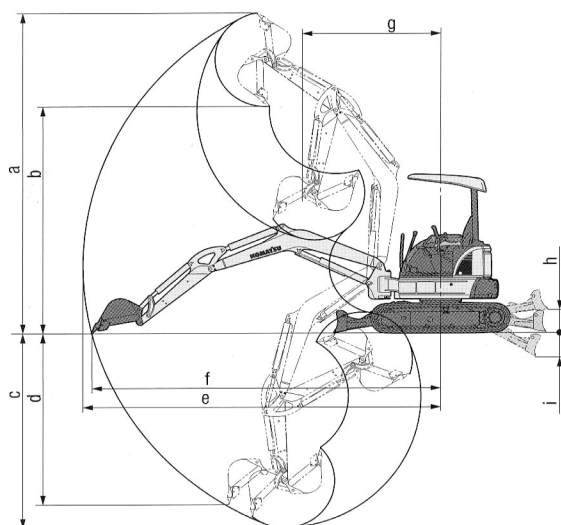
DIMENSIONS



A	Overall length	4275 mm 14'0"
B	Overall width	1550 mm 5'1"
C	Overall height	2520 mm 8'3"
D	Tail swing radius	855 mm 2'9"
E	Crawler length	1950 mm 6'4"
F	Track gauge	1250 mm 4'1"
G	Track shoe width	300 mm 11.8"
H/I	Boom swing angle	Left 80°/Right 50°
J/K	Bucket offset	LH 580 mm/RH 845 mm LH 1'10" /RH 2'9"



WORKING RANGE



a	Maximum digging height	4840 mm 15'10"
b	Maximum dumping height	3390 mm 11'1"
c	Maximum digging depth	2840 mm 9'4"
d	Maximum vertical digging depth	2370 mm 7'9"
e	Maximum digging reach	4930 mm 16'2"
f	Maximum reach-ground level	4840 mm 15'10"
g	Minimum swing radius (With boom swing)	1980 mm 6'5" 1660 mm 5'5"
h	Maximum blade lift	360 mm 1'2"
i	Maximum blade depth	315 mm 1'



LIFTING CAPACITY

Blade on ground		Unit: kgf lbf							
		2 m 6.5'		3 m 10'		4 m 13'		Maximum Reach	
		Front	Side	Front	Side	Front	Side	Front	Side
Arm Length 1375 mm 4'6"	3 m 10'	—	—	520* 1146*	425 937	—	—	605* 1334*	275 606
	2 m 6.5'	1210* 2668*	785 1731	680* 1499*	410 904	620* 1367*	240 529	625* 1378*	215 474
	1 m 3.25'	—	—	975* 2150*	375 827	705* 1554*	230 507	655* 1444*	195 430
	0 m 0'	2305* 5082*	660 1455	1155* 2546*	355 783	750* 1653*	225 496	695* 1532*	205 452
	-1 m -3.25'	1995* 4398*	670 1477	1085* 2392*	350 772	—	—	735* 1620*	260 573

*Load is limited by hydraulic capacity rather than tipping. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.